

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions and listings of claims in this application.

LISTING OF CLAIMS:

1. - 5. (Canceled)
6. (Currently Amended) A seal system between two articles wherein at least one article is coated with a wear protective coating, the coating comprises at least a first layer on the surface of the article, the first layer comprising a certain amount volume fraction of chromium carbides dispersed in a cobalt matrix and at least a second layer of the coating on top of the first layer, the second layer comprising an amount of chromium carbides dispersed in a cobalt matrix which is higher than the amount of chromium carbides in the first layer.
7. (Previously Presented) The seal system according to claim 6, wherein the coating is provided as a seal between gas turbine components.
8. (Previously Presented) The seal system according to claim 6, wherein the coating is applied to mating surfaces of two articles or gas turbine components.
9. (Previously Presented) The seal system according to claim 6, wherein the total thickness of the coating constituting layers is up to 400 μm .
10. (Previously Presented) The seal system according to claim 6, wherein the thickness of the upper layer is 25 to 75% of the total thickness of the coating.
11. (Previously Presented) The seal system according to claim 6 wherein the volume fraction of chromium carbide of the upper layer is about 30 to 50%.

12. (Previously Presented) The seal system according to claim 6, wherein the volume fraction of chromium carbide in the bottom layer is about 20 to 30%.

13. (Previously Presented) The seal system according to claim 6, wherein the seal system is built up of multiple layers, each layer has an increasing amount of carbide content, with highest carbide content being in the top layer.

14. (Previously Presented) The seal system according to claim 9, wherein the total thickness of the coating constituting layers is about 50 to 250 μm .

15. (Currently Amended) An arrangement comprising:
a first component having a first surface,
second component having a second surface; and
a coating disposed on at least one of the first and second surfaces, the coating comprising:

a first layer, the first layer comprising a first ~~amount~~ volume fraction of chromium carbides dispersed in a cobalt matrix, and

a second layer, the second layer ~~disposed adjacent to the first layer,~~
~~the second layer~~ comprising a second ~~amount~~ volume fraction of chromium carbides dispersed in a cobalt matrix,

wherein the first ~~amount~~ volume fraction of chromium carbides is greater than the second ~~amount~~ volume fraction of chromium carbides.

16. (Previously Presented) The arrangement of claim 15, wherein the first and second components comprise parts of an engine.

17. (Previously Presented) The arrangement of claim 16, wherein the engine comprises a gas turbine engine.

18. (Previously Presented) The arrangement of claim 15, wherein the first and second surfaces are mating surfaces forming a seal therebetween.

19. (Previously Presented) The arrangement of claim 15, wherein the coating is disposed on both the first and second surfaces.

20. (Previously Presented) The arrangement of claim 15, wherein the second layer is disposed on the first layer.

21. (Currently Amended) The arrangement of claim 15, wherein the coating comprises more than two layers, and the outermost layer comprises a certain ~~amount~~ volume fraction of chromium carbides dispersed in a cobalt matrix, wherein the ~~amount~~ volume fraction of chromium carbides contained in the outermost layer is greater than the ~~amount~~ volume fraction of chromium carbides contained in the any of the other layers present in the coating.

22. (Previously Presented) The arrangement of claim 15, wherein the coating is metallurgically bonded to at least one of the first and second surfaces.

23. (Previously Presented) The arrangement of claim 15, wherein the first amount is 20-30% by vol., and wherein the second amount is 30-50% by vol.

24. (Previously Presented) The arrangement of claim 15, wherein the coating has a total thickness of about 15 to 250 μm .